

Lumiprobe Corporation

201 International Circle, Suite 135 Hunt Valley, Maryland 21030

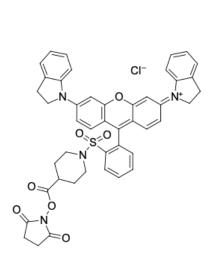
USA

Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

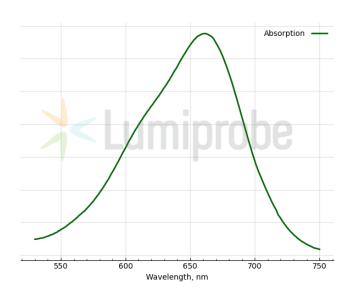
DusQ 21 NHS ester

http://www.lumiprobe.com/p/qsy-21-quencher-nhs-ester

DusQ 21 is a dark quencher used as an acceptor in FRET applications, it has absorption maximum 656 nm, and can be used in multiplex assays due to the lack of secondary fluorescence. It is a quencher of choice for pairing with fluorescent dyes that emit in the red and near-infrared part of the range. DusQ 21 NHS ester derivative is used for labeling with the primary amines of amine-containing molecules. It can be used for quenching of many fluorophores, including Cyanine5.5, AF-647.



Structure of DusQ 21 NHS ester



Absorption spectrum of DusQ 21

General properties

Appearance: dark purple powder

Molecular weight: 815.35

CAS number: 304014-13-9 Molecular formula: $C_{45}H_{39}CIN_4O_7S$

Quality control: NMR ¹H and HPLC-MS (95+%)

Storage conditions: 12 months after receival at -20°C in the dark. Transportation: at room temperature

for up to 3 weeks. Desiccate.

Spectral properties

Excitation/absorption maximum, nm: 656 ϵ , L·mol⁻¹·cm⁻¹: 72800